

## **OIL COOLER FOR MOTORCYCLE**

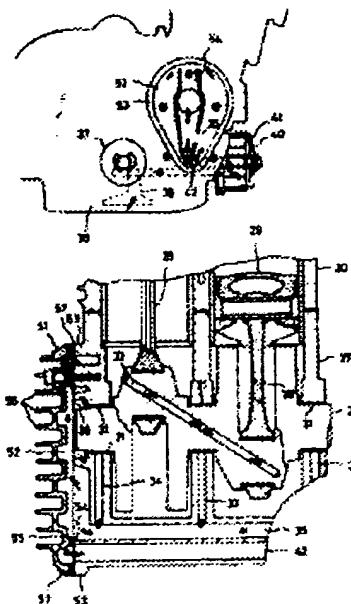
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Abstract of JP55112818

**PURPOSE:** To augment the collision of wind in running and raise cooling performance, by providing an oil cooler on the side of a crankcase near an end of the horizontal crankshaft of a motorcycle.

**CONSTITUTION:** Lubricating oil is supplied under pressure from an oil pump 37 into an oil cooler 50 through an oil filter 40 and an oil passage 42. The lubricating oil rises outside a partition wall 54, goes into the wall from between an outside wall 53 and the top of the partition wall 54 and falls into an oil passage 35. A portion of the oil is supplied under pressure from the oil passage 35 to plain bearings 31 on a crankshaft 26 and a large end and the other portion of the oil is fed under pressure to other parts. The lubricating oil is cooled by wind colliding against the cooling fins 56 of a cover 51 when the oil passes through an oil passage 52 in the oil cooler 50.



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